Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
sic rate	5046.00							
1% AD-HOC	555.06							
b Total-1	5601.06							
% AW	336.06							
b Total-2	5937.12							
lvert	4	8.00	1.50	0.15	7.20			
					7.20	**Cum**	**5937.12**	**42,747.29**
SRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with ment mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones two m. apart in each course including cost of materials, labour, curing complete as per pecifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17								
asic rate	5005.00							
1% AD-HOC	550.55							
ub Total-1	5555.55							
% AW	333.33							
ub Total-2	5888.88							
ulvert	8	8.00	0.45	0.70	20.16			
					20.16	**Cum**	**5888.88**	**118719.88**
SRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 40kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine ggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well ompacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, uring complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&IWTD R 2016-17)								
Basic rate	5441.00							
11% AD-HOC	598.51							
Sub Total-1	6039.51							
6% AW	362.37							
Sub Total-2	6401.88							
culvert	8	8.00	0.45	0.10	2.88			
					2.88	**Cum**	**6401.88**	**18,437.42**
Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-								
Basic rate	5111.00							
	4	8.00	1.50		48.00			
					48.00	**Sqm**	**5111.00**	**245328.00**
KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
Basic rate	1571.00							
11% AD-HOC	172.81							
Sub Total-1	1743.81							
6% AW	104.63							
Sub Total-2	1848.44							
UGD Cut portion								
cross road	1	45.00	1.00	0.15	6.75			
1st B main	1	414.00	1.00	0.15	62.10			
14th B cross		290.00	1.00	0.15	43.50			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
heeti opticals	1	97.00	1.00	0.15	14.55			
th B cross	1	118.00	1.00	0.15	17.70			
d B main	1	126.00	1.00	0.15	18.90			
th B cross	1	108.00	1.00	0.15	16.20			
h B main	1	165.00	1.00	0.15	24.75			
th B cross (service rd)	1	153.00	1.00	0.15	22.95			
th B main	2	475.00	1.20	0.15	171.00			
d reaches	15	10.00	5.00	0.15	112.50			
					510.90	**Cum**	**1848.44**	**944367.28**
RRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting aded stones aggregate to wet mix macadam specifications including pre mixing the material with ater at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform yers with paver in sub-base/base course on well prepared surface and compacting with vibratory oller to achieve the desired density complete as per specifications. MORTH Specification No. 406 .No.158 I.No.20.18)								
asic rate	1668.00							
1% AD-HOC	183.48							
ub Total-1	1851.48							
6% AW	111.09							
Sub Total-2	1962.57							
UGD Cut portion								
cross road	1	45.00	1.00	0.225	10.13			
1st B main	1	414.00	1.00	0.225	93.15			
14th B cross	1	290.00	1.00	0.225	65.25			
Adheeti opticals	1	97.00	1.00	0.225	21.83			
12th B cross	1	118.00	1.00	0.225	26.55			
3rd B main	1	126.00	1.00	0.225	28.35			
13th B cross	1	108.00	1.00	0.225	24.30			
4th B main	1	165.00	1.00	0.225	37.13			
17th B cross (service rd)	1	153.00	1.00	0.225	34.43			
20th B main	2	475.00	1.20	0.225	256.50			
Bad reaches	15	10.00	5.00	0.225	168.75			
					766.35	**Cum**	**1962.57**	**1504014.60**
Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)								
Basic rate	26.00							
11% AD-HOC	2.86							
Sub Total-1	28.86							
6% AW	1.73							
Sub Total-2	30.59							
UGD Cut portion								
cross road	1	45.00	1.00		45.00			
1st B main	1	414.00	1.00		414.00			
14th B cross	1	290.00	1.00		290.00			
Adheeti opticals	1	97.00	1.00		97.00			
12th B cross	1	118.00	1.00		118.00			
3rd B main	1	126.00	1.00		126.00			
13th B cross	1	108.00	1.00		108.00			
4th B main	1	165.00	1.00		165.00			
17th B cross	1	153.00	1.00		153.00			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
h B main - nxt to park	1	90.00	1.00		90.00			
th B cross	1	100.00	1.00		100.00			
h B main	1	101.00	1.00		101.00			
th B main	2	475.00	1.20		1140.00			
d reaches	15	10.00	5.00		750.00			
ofile correction								
oss road	1	45.00	2.40		108.00			
t B main	1	414.00	2.10		869.40			
th B cross	1	290.00	2.00		580.00			
heeti opticals	1	97.00	3.00		291.00			
th B cross	1	118.00	2.70		318.60			
d B main	1	126.00	2.50		315.00			
3th B cross	1	108.00	2.00		216.00			
h B main	1	165.00	1.80		297.00			
7th B cross (service rd)	1	153.00	2.50		382.50			
0th B main	1	475.00	2.20		1045.00			
					8119.50	**Sqm**	**30.59**	**248388.50**

SRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity M.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)

Basic rate	6717.00							
11% AD-HOC	738.87							
Sub Total-1	7455.87							
6% AW	447.35							
Sub Total-2	7903.22							
UGD Cut portion								
cross road	1	45.00	1.00	0.05	2.25			
1st B main	1	414.00	1.00	0.05	20.70			
14th B cross	1	290.00	1.00	0.05	14.50			
Adheeti opticals	1	97.00	1.00	0.05	4.85			
12th B cross	1	118.00	1.00	0.05	5.90			
3rd B main	1	126.00	1.00	0.05	6.30			
13th B cross	1	108.00	1.00	0.05	5.40			
4th B main	1	165.00	1.00	0.05	8.25			
17th B cross (service rd)	1	153.00	1.00	0.05	7.65			
20th B main	2	475.00	1.20	0.05	57.00			
Bad reaches	15	10.00	5.00	0.05	37.50			
Profile correction								
cross road	1	45.00	2.40	0.05	5.40			
1st B main	1	414.00	2.10	0.05	43.47			
14th B cross	1	290.00	2.00	0.05	29.00			
Adheeti opticals	1	97.00	3.00	0.05	14.55			
12th B cross	1	118.00	2.70	0.05	15.93			
3rd B main	1	126.00	2.50	0.05	15.75			
13th B cross	1	108.00	2.00	0.05	10.80			
4th B main	1	165.00	1.80	0.05	14.85			
17th B cross (service rd)	1	153.00	2.50	0.05	19.13			
20th B			2.20	0.05	52.25			

cription of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
					391.43	**Cum**	**7903.22**	**3093518.75**
RB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting h old gunny bags and / or compressed air to receive bituminous treatment including cost of all terials, labour, HOM of machineries complete as per specifications. MORTH specification clause L. (P.No.161 & I.No.21.2)								
ic rate	3.00							
% AD-HOC	0.33							
Total-1	3.33							
AW	0.20							
Total-2	3.53							
ss road	1	45.00	5.80		261.00			
t B main	1	414.00	6.20		2566.80			
th B cross	1	290.00	6.60		1914.00			
dheeti opticals	1	97.00	5.80		562.60			
2th B cross	1	118.00	6.50		767.00			
rd B main	1	126.00	6.10		768.60			
3th B cross	1	108.00	5.70		615.60			
th B main	1	165.00	6.00		990.00			
7th B cross (service rd)	1	153.00	6.30		963.90			
0th B main	1	475.00	7.00		3325.00			
					12734.50	**Sqm**	**3.53**	**44,950.24**
KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)								
Basic rate	11.00							
11% AD-HOC	1.21							
Sub Total-1	12.21							
6% AW	0.73							
Sub Total-2	12.94							
cross road	1	45.00	5.80		261.00			
1st B main	1	414.00	6.20		2566.80			
14th B cross	1	290.00	6.60		1914.00			
Adheeti opticals	1	97.00	5.80		562.60			
12th B cross	1	118.00	6.50		767.00			
3rd B main	1	126.00	6.10		768.60			
13th B cross	1	108.00	5.70		615.60			
4th B main	1	165.00	6.00		990.00			
17th B cross (service rd)	1	153.00	6.30		963.90			
20th B main	1	475.00	7.00		3325.00			
					12734.50	**Sqm**	**12.94**	**164817.54**
5 KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
Basic rate	7659.00							
11% AD-HOC	842.49							
Sub Total-1	8501.49							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Sub Total-2	9011.58							
cross road	1	45.00	5.80	0.04	10.44			
1st B main	1	414.00	6.20	0.04	102.67			
14th B cross	1	290.00	6.60	0.04	76.56			
Adheeti opticals	1	97.00	5.80	0.04	22.50			
12th B cross	1	118.00	6.50	0.04	30.68			
3rd B main	1	126.00	6.10	0.04	30.74			
13th B cross	1	108.00	5.70	0.04	24.62			
4th B main	1	165.00	6.00	0.04	39.60			
17th B cross (service rd)	1	153.00	6.30	0.04	38.56			
20th B main	1	475.00	7.00	0.04	133.00			
					509.38	**Cum**	**9011.58**	**4590318.31**
Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
Basic rate	313.00							
11% AD-HOC	34.43							
Sub Total-1	347.43							
6% AW	20.85							
Sub Total-2	368.28							
1st B main	2	75.00			150.00			
14th B cross	2	40.00			80.00			
12th B cross	2	25.00			50.00			
3rd B main	2	44.00			88.00			
13th B cross	2	15.00			30.00			
4th B main	2	30.00			60.00			
B = A/0.45				A	**458.00**			
				B	**1018.00**	**Nos**	**368.28**	**374904.76**
KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
Basic rate	60.00							
11% AD-HOC	6.60							
Sub Total-1	66.60							
6% AW	4.00							
Sub Total-2	70.60							
1st B main	2	200.00	0.35		140.00			
14th B cross	2	150.00	0.35		105.00			
12th B cross	2	90.00	0.35		63.00			
3rd B main	2	80.00	0.35		56.00			
13th B cross	2	50.00	0.35		35.00			
4th B main	2	160.00	0.35		112.00			
					511.00	**Sqm**	**70.60**	**36,074.56**
KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1074 (P.No-185 & I No-24.15)								

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Basic rate	512.00							
11% AD-HOC	56.32							
Sub Total-1	568.32							
6% AW	34.10							
Sub Total-2	602.42							
Cross road	2	45.00	0.10		9.00			
1st B main	2	414.00	0.10		82.80			
14th B cross	2	290.00	0.10		58.00			
Adheeti opticals	2	97.00	0.10		19.40			
12th B cross	2	118.00	0.10		23.60			
3rd B main	2	126.00	0.10		25.20			
13th B cross	2	108.00	0.10		21.60			
4th B main	2	165.00	0.10		33.00			
17th B cross (service rd)	2	153.00	0.10		30.60			
20th B main	2	475.00	0.10		95.00			
					398.20	Sqm	602.42	239883.33
KSRRB M800 Road markers / Road stud KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications.(P.No-189,I No-24.41)								
Basic rate	339.00							
11% AD-HOC	37.29							
Sub Total-1	376.29							
6% AW	22.58							
Sub Total-2	398.87							
		2759.00			5518.00			
At 6.00m interval					919.67	Nos	398.87	366825.05
							Total Construction Cost	14775136.35
							DPR & PMC Charges	224800.00
							Sub Total	14999936.35
							Utility Shifting, Miscellaneous, Rounding off	63.65
							GRAND TOTAL	15000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division,
BBMP Bangalore
7/2/18

Administrative Approval
Accorded For .....
Head of A/C.....
CER NO :..... Dt:..

E.E. (Project)

Technical Sanction
Accorded For ..150.00 lakhs
Head of A/C.....P-2415
CER NO :..643..... Dt:.08/2/2018

CE (YNK)

TA